

CLAIMS

What is claimed is:

1. A motor, comprising:

5 at least one lead wire wound around a bobbin of a stator to form a coil;

at least one power line electrically connected to the lead wire to supply power to the lead wire;

10 at least one connection terminal to connect the lead wire to the power line;

a terminal holding part provided at a portion of the bobbin to place the connection terminal;

15 at least one terminal receiving hole provided in the terminal holding part to allow the connection terminal connected to the power line to be inserted and connected to the lead wire; and

20 a fastening member to accommodate the connection terminal connected to the power line therein and to be fastened to the terminal holding part so as to keep the connection terminal mounted in the terminal receiving hole.

2. The motor as set forth in claim 1, wherein:

25 a first locking lug is formed on one of the fastening member and the terminal holding part, and a fastening hook is formed on a remaining one of the fastening member and the

terminal holding part to be caught by the first locking lug and thus allow the fastening member to be fastened to the terminal holding part.

5 3. The motor as set forth in claim 1, wherein the connection terminal comprises:

 a fastening part provided at a first side thereof to surround an outside of a covering of the power line and to allow the power line to be fastened to the connection terminal;

10 a connection part provided at the first side thereof to surround an outside of the power line without the covering and to allow the connection terminal and the power line to be connected to each other; and

 a connection slot provided at a second side thereof to cut 15 an insulation coating of the lead wire and to allow the lead wire to be inserted thereto and fastened therein.

4. The motor as set forth in claim 3, wherein the connection slot is constructed in such a way that a width of 20 the slot is reduced from an end thereof, so that the connection slot has a smaller width than a diameter of the lead wire.

5. The motor as set forth in claim 1, wherein the fastening member is opened at a side thereof, is provided with 25 locking lugs to allow the connection terminal to be inserted

and accommodated therein, and is provided with at least one fastening slot at an opposite side thereof to have a predetermined width, and to allow the lead wire placed in the terminal receiving hole to pass therethrough and be connected 5 to the connection terminal accommodated in the fastening member.

6. The motor as set forth in claim 5, wherein:

the fastening member is provided with a cover at the 10 opened side thereof to close opened portion of the fastening hole of the fastening member; and

the cover is provided with at least one power line hole to allow the power line to pass therethrough and to be connected to the connection terminal placed in the fastening member.

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7. The motor as set forth in claim 6, wherein:

the fastening hole comprises a plurality of the fastening holes formed in the fastening member to allow a plurality of connection terminals to be inserted thereto and fastened 20 therein; and

the cover is configured to close all of the plurality of fastening holes.

8. The motor as set forth in claim 6, wherein:

25 a second locking lug is formed on one of the fastening

member and the cover; and

a second fastening hook is formed on a remaining one of
the fastening member and the cover to be caught by and locked
in the second locking lug and thus allow the fastening member
5 to be fastened to the cover.